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ABSTRACT

The teacher's guide to Orientation to Health Occupations is an outline for a course designed to create student awareness of the broad range of health occupations. It can be adapted for use at the junior high school through postsecondary levels and is designed to be used in a variety of ways. There are 18 units of instruction, each containing one cluster in which several related occupations are presented. Several audiovisual materials are suggested for each unit, to be selected by the teacher with the particular student group in mind. Objectives of the course are outlined, followed by the units, which are organized under the headings of hours, content, instructor's activities, students' behavioral activities, and references. The 18 clusters are: an overview, administration, patient care, dentistry, medical laboratory, health office occupations, medical diagnostic equipment, dietary occupations, social service, drug therapy, rehabilitation, communication skills, special senses, research science, community and environmental health, other occupations, hospital financing, and supportive occupations. (Author/NH)

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Orientation to Health Occupations
A Teacher's Guide

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U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
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State Department of Education
Division of Vocational Education
Health Occupations Unit
225 West State Street
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Introduction

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It is predicted that by 1975 the Health Care Industry will be the largest industry in the nation embracing over five million workers.

In 1900, there were less than two health workers assisting each physician in the care of patients. Twelve health workers complemented each physician in 1970, and the ratio is increasing. Demands for services have expanded and personnel devote their talents and energies to health maintenance, prevention of illness, as well as caring for the ill. New career opportunities will develop as the role of the health worker changes. Educational agencies, therefore, have a responsibility to assist students to prepare for employment in the health care industry.

The purpose of this course is to create student awareness of the broad range of health occupations. It can be adapted for use at the junior high school, high school, post-secondary or adult levels, and is designed to be used in a variety of ways. The program can be offered for one year, one period a day (45 minutes), totaling approximately 180 hours. This can be increased or decreased as time allows, depending upon the student audience. Each unit contains one cluster in which several related occupations are presented. This enables the student to learn about career families within the entire health field. It is hoped that Orientation to Health Occupations will motivate students to seek further education in the health field.

Each health occupation listed, follows an outline that includes a description of the work involved, personal qualifications of the worker, employment opportunities including locations

of employment, working conditions, financial and other rewards, and future outlooks. Educational requirements, including licensure or certification, are also contained in the outline. A sample of this outline is shown in the first unit of each cluster. Several audio-visual materials are suggested for each unit. The teacher should select those which are most appropriate for the individual group. Evaluative tools should be determined and used by the teacher at appropriate intervals throughout the course.

The Division of Vocational Education, Health Occupations Unit, welcomes comments and suggestions from teachers following the use of these outlines.

Joan M. Birchenall
Director, Health Occupations Education

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ORIENTATION TO HEALTH OCCUPATIONS

Course Description:

The purpose of this course is to create student awareness of the broad range of Health Careers.

Course Objectives:

Upon completion of this program:

1. The student will know at least five health care services available to the consumer.
2. The student will be able to list at least one health cluster and identify its members.
3. The student will know at least thirty terms used in health occupations.
4. The student will be able to demonstrate one hands-on experience in each health career cluster.

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UNIT I OVERVIEW

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	A. Selecting a career in health - an overview:	Discussion	Listen	Kinsinger, Robert. Career Opportunities, Health Technicians, 1970 J.G. Ferguson Publishing Co., Chicago, Ill.
	1. Factors that influence selection:	Distribute Booklet "Horizons Unlimited"	Read and discuss. Prepare ten questions to ask instructor	American Medical Assn., 535 N. Dearborn St., Chicago, Ill. 60610
	a. Your own personality- a desire to serve others	Health Career Series I, II, III, and IV (film strips)	List ten Health Occupations.	Lawren Productions, Inc., P. O. Box 1542 Burlingame, Calif. 94010
	b. Your own personal experiences			
	c. Physical ability	Film: "Is a Career in the Health Services For You?" or "Code Blue", 28 min., color, 1971, free or	Ask questions	Counselor Films, Inc., 1422 Chestnut St., Philadelphia, Pa. 19102 National Audiovisual Center National Archives & Records Service Washington, D.C. 20409

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UNIT I OVERVIEW (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	B. Trends in Health Care	Lecture	Discussion	State Dept. of Health, Comprehensive Health Planning Agency, John Fitch Plaza, Trenton, N. J. 08625
	1. Comprehensive Health Planning			Health Insurance Council, 750 3rd Ave., New York, New York 10017
	2. National Health Insurance			Secretary, Health Planning Section, American Public Health Assn., 1740 Broadway New York, N. Y. 10019
	3. Health Maintenance Organizations	"Health Power to the People" 20 min. sound slides, rental fee.	Name 5 health occupational needs of your community	Health Careers Box 28 Town Center Branch West Orange, N.J. 07052
	4. Health Care Team	Selected Health Careers in N. J.	Review and ask questions	Public Affairs Office Div. of Planning and Research, Labor & Industry Building, P.O. Box 359 Trenton, N. J. 08625

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UNIT I OVERVIEW (Cont'd)	HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
		d. Occupational environment	Film strips - "Health Careers"		N.J. Health Careers Service, 375 W. State St., Trenton, N.J. 08618
2 hours	2. Readiness to enter the career of choice 3. Types of Educational Programs 1. Length of programs 2. Accreditation 3. Need for laboratory experience 4. Choosing a program 5. Financial assistance 6. Future outlook	Elicit Student Experience	List five health careers shown in film.	State Experiences	Mr. Glenn Smith, Univ. of S. Carolina, Audiovisual Division, Columbia, S.C. 29208
	4. Combining career in health with other careers in such areas as: engineering, agriculture, communications, marketing, military, business, accounting, animal care, community service, education, and the fine arts.	Film - "Careers in Health" 15 min. color, 16mm. or Film: "Careers in Health" 15 min. color, 16mm. or "Health Careers I, II, III, IV" (film strips) Film - "Horizons Unlimited," 1967, 28 min., color, sound, 16mm. or "Jobs in the Health Field," 11 min., color, sound, free, 1966	List five health careers shown in the film		United Health Service, Health Career Program, 225 So. 15th St., Phila., Pa. 19102 American Medical Assn., Film Library, 535 No. Dearborn St. Chicago, Ill. 60610 U.S. Dept. of Labor, Employment Security, Wash., D.C. 20213

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UNIT 2 ADMINISTRATIVE CLUSTER	HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.A.'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour		Introduction to Health Facilities			
		A. Types of Facilities 1. Hospitals 2. Extended Care Facilities 3. Nursing Homes 4. Clinics 5. Offices 6. Schools 7. Government Agencies - Federal-State-Local 8. Other	Show film, "Hospitals are People." 18 min. color Rental \$8.00 or "A True Story about Hospitals." 13 min. color Rental \$4.00 or "The Patient is a Person" 20 min. color, Rental \$4.00 or "The Changing Hospital"	After viewing film, students will list six (6) departments of hospital	N.J. Hospital Assn., Highway 206, Princeton, N. J. 08540 American Hosp. Assn., 840 N. Lake Shore Dr., Chicago, Ill. 60611
1 hour		B. Administration of Health Facilities 1. Administrator a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements	Give out booklet "Hospital Administrator" Guest Speaker Hospital Administrator	Read and discuss Two students will volunteer to interview the guest speaker.	Ideal Pictures, 1010 Church St., Evanston, Ill. 60201 Health Careers of Ohio, P. O. Box 5574, Columbus, Ohio 43221

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UNIT 2 ADMINISTRATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
-	d. Licensure or Certification e. Employment Opportunities 1) Location 2) Working Conditions 3) Financial Rewards 4) Other rewards 5) Future outlook	Show film "The Changing Picture in Graduate Education for Hospital Administration" Prepare problem for students to role play	Explain the past, present and future role of a hospital administrator or Role play a problem the administrator might face in his daily routine	Amer. Hosp. Assn., 840 N. Lake Shore Dr., Chicago, Ill. 60611 Amer. College of Hosp. Administrators, 840 N. Lake Shore Dr., Chicago, Ill. 60611 or Assn. of Univ. Programs in Hosp. Administration, 1 Dupont Circle, Wash., D. C. 20036
4 hours	2. Administrative Assistant a.) b.) c.) as above d.) e.)	Plan trip to Health Care Facility	Discussion of areas visited - observations and general feelings	Health Care Facility

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UNIT 2 ADMINISTRATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	3. Hospital Personnel Director a.) b.) c.) as above d.) e.)	Lecture	Discussion	Amer. Society for Per- sonnel Adm'n., 52 E. Bridge St., Berea, Ohio 44107 N. J. Hosp. Assn., Rte. 206, Princeton, N. J. 08540 Public Personnel Assn., 1313 E. 60th St., Chicago, Ill. 60637 Amer. Society for Hosp. Personnel Directors, 840 N. Lake Shore Dr., Chicago, Ill. 60611

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UNIT 3 PATIENT CARE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Patient Care A. Overview The patient care team is headed by the physician or dentist. Other patient care personnel work with him in supportive or preventive tasks. B. Physician - list some specialty areas. Example: Dermatology, neurology, obstetrics, otolaryngology, health care facility administrator, etc. 1. Description of work 2. Specific characteristics required a) Physical b) Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a) Location b) Working conditions c) Financial Rewards d) Other Rewards e) Future Outlook	Lecture Show Film "Counter Attack" 29 min. color Sound 16mm Free or "Someone You Can Trust-Someone You Can Be", 29 min. color sound 16mm 1966 Distribute copies of <u>Ars Medico</u> "To Seek...To Teach...To Heal" 29 min. color, 1969, free	Discussion Discuss rewards and challenges of a career in medicine Read and discuss	Medical Society of N.J. 315 W. State Street Trenton, N.J. 08618 Modern Talking Picture Service, 1234 Spruce St. Philadelphia, Pa. 19107 American Academy of General Practice, Volker Blvd. at Brookside, Kansas City, Missouri 64112 Same as above Assn.-Sterling Films 866 3rd Avenue New York, N.Y. 10022

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour		Divide students into groups of two - Give each a stethoscope and demonstrate use. Let them listen to various body sounds	Listen and describe sounds heard	
1 hour	C. Physician's Assistant 1.) follow outline as 2.) under physician 3.) 4.) 5.)	Booklet "Physician"	Read and discuss	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
1 hour		Have students watch a "Doctor Series" TV show	Three students will give oral reports of TV show observed	American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610
2 hours	D. Nursing Occupations 1. Registered Nurses a. Baccalaureate Degree Nurse 1.) 2.) 3.) 4.) 5.)	Film: "Mrs. Reynolds Needs a Nurse", B/W, 38 min., 1963, Charge-\$8.00 Film: "Future Nurse" or "Nursing-An Adventure in Learning", 28 min. color sound, 1969	Discuss 3 tasks of a nurse List three advantages in field of nursing	ANA-NLN Nursing Careers Program, American Nurses Assoc., 10 Columbus Circle, New York, New York 10019 ANA-NLN Film Library 267 West 25th Street New York, New York 10001 Same as above Same as above

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	b. Associate Degree Nurse 1.) 2.) as under 3.) Physician 4.) 5.)	Booklet "Do You Want to Be a Nurse?"	Read and discuss	National League of Nursing 10 Columbus Circle New York, New York 10019
	c. Diploma Nurse 1.) 2.) 3.) 4.) 5.)	Book "Your Future in Nursing" by Virginia B. McDonnell	Read and discuss	Richards Rosen Press, Inc. 29 East 21st Street New York, New York 10010
	d. Nursing Specialties 1. Nurse Anesthetist a. Description of Work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment Opportunities 1.) Location 2.) Working Conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Film "In These Hands" 18 min., color, sound 16 mm, free, 1966 Booklet "Anesthesia - A Special Type of Nursing" 1965 Free	Discuss roles of a nurse anesthetist Read and discuss	American Assoc. of Nursing Anesthetists, 3010 Pruden- tial plaza, Chicago, Ill. 60601 Same as above

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	2. Public Health Nurse a.) as under Nurse b.) as under Nurse c.) Anesthetist d.) e.)	Show film "The Road" 28 min. B/W Sound, 1968 Rental or "The Road Back" 23 min. B/W Sound, 1966 Assign students to record their personal immunizations	Discuss the public health nurse in her areas of work Discuss the role of the visiting nurse as shown in the film Record personal immuniza- tions	American Journal of Nursing Co., Ed. Services Division, Film Library, 267 West 25th St., New York, N.Y. 10001 American Red Cross 17th and D Street Washington, D.C. 20006
	3. School Nurse a.) b.) as under Nurse c.) Anesthetist d.) e.)			
	4. Industrial Nurse a.) b.) as under Nurse c.) Anesthetist d.) e.)	Booklet "Have You Considered a Career in Occupational Health Nursing?" Free	Read and discuss	American Association of Industrial Nurses 170 East 61st Street New York, New York 10021
2 hours	5. Nurse Practitioner/ Clinician a.) b.) as under Nurse c.) Anesthetist d.) e.)	Form panel of four students. (Student will be given booklets to assist him in making the presentation)	Each panelist will discuss the similarities and differences in educational preparation, etc. according to outline listed in introduction of each type of nurse.	National League for Nursing 10 Columbus Circle New York, N.Y. 10019 N.J. League for Nursing 605 Broad Street Newark, N.J. 07102 N.J. State Nurses Assn. 60 South Fullerton Ave. Montclair, N.J. 07042

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	6. Office Nurse a.) as under Nurse b.) Anesthetist c.) d.) e.) E. Licensed Practical/ Vocational Nurse a.) Description of Work b.) Specific characteristics required 1.) Physical 2.) Emotional c.) Educational requirements d.) Licensure or certification e.) Employment Opportunities 1.) Location 2.) Working Condition 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Hands-on experience Demonstrate application of an arm sling. Discuss importance and uses. Film "Helping Hands for Julie", 25 min., BL/W sound, 16mm, 1958 Hand out booklets (NAPNES) "Career Opportunities as a LPN" 1968 Free Booklet "Licensed Practical Nurse", free Film "Nurse Please", 28 min., color, sound, 16mm, 1954	Return demonstration. List five steps in applying an arm sling Discuss story portrayed in film Read and discuss Read and discuss Discuss opportunities available to L.P.N.'s	N.J. Board of Nursing 1100 Raymond Boulevard Room 319 Newark, N. J. 07102 First-Aid Textbook American Red Cross LPN Assn. of N.J., Inc. 7575 Springfield Ave. Irvington, New Jersey Assn. Sterling Films 347 Madison Avenue New York, N. Y. 10017 National Association for Practical Nurse Ed. & Serv 1465 Broadway New York, N. Y. 10036 National Fed. of LPN, Inc. 250 West 57th Street New York, N.Y. 10019 N.J. Dept. of Labor & Indus Div. of Employment Security Trenton, N.J. 08625 Trident Films, 131 East 36th Street, New York, New York 10016

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	F. Nursing Assistant (Nurse Aide, Attendant, Orderly, Corpsman) a.) Description of Work b.) Specific characteristics required 1.) Physical 2.) Emotional c.) Educational requirements d.) Licensure or certification e.) Employment Opportunities 1.) Location 2.) Working Conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Booklet "Nurse Aide" free 1969 Film: "Lady with a Lamp" or "Lift Thine Eyes" 20 min. B17W, Sound 1959 or "Military Nurse" or "To Care Enough" or "Attendant: Role of the Psychiatric Aide" Film: "Nurse Aide"	Read and discuss Discussion of film Discuss role of military patient care personnel. Discuss role of psychiatric aide as portrayed in the film Discussion of film	N.J. Dept. of Labor & Industries Div. of Employment Security Trenton, N.J. 08625 United Health Services 22 1/2 South 15th Street Philadelphia, Pa. 19102 Northwestern University Film Library, Speech Annex, Evanston, Ill. 60201 U.S. Dept. of DAWONITS, Rm. 3C972, The Pentagon Washington, D.C. 20301 E.E.G.E. Association 4715 Kingessing Avenue Philadelphia, Pa. 19143 John Sylvia, Medical Service Representative, Dow Chemical Co., 906 Stafford Drive, Toms River, N. J. N.J. Occupational Research Development Resource Center Bldg. 871, Plainfield Ave. Edison, N.J. 08817
1 hour	G. Specialty Technician 1. Operating Room/Surgical			

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UNIT 3 PATIENT CARE CLUSTER (Cont'd)

HOURS (App: ox.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	a.) Description of Work b.) Specific characteristics required 1.) Physical 2.) Emotional c.) Educational requirements d.) Licensure or certification e.) Employment Opportunities 1.) Location 2.) Working Conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Film "Building Training Programs for O.R. Technicians," 10 min. \$15. charge Booklet "Surgical Assistant"	Discussion of film Read and discuss	Davis & Geck, Div. of Amer. Cyanamid Co., Film Library, 1 Casper Street Danbury, Conn. 06810 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
	2. Mental Health a.) as under Operating b.) Room/ Surgical c.) d.) e.)	Booklet "Find Your Future in a Mental Health Career", 1968 Free	Read and discuss	National Assn for Mental Health 10 Columbus Circle New York, New York 10019
	3. Psychiatric Technician a.) b.) c.) d.) e.)			

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UNIT 4 DENTAL CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	Introduction to Dental Occupations:	This unit could be presented as a panel of speakers: dentist, dental hygienist, dental assistant, and dental laboratory technician.		
2 hours	A. Overview - The dental health team is headed by a dentist. Other dental personnel work with him in supportive or preventive tasks	Elicit student discussion	State past experiences related to dental occupations	Council of Dental Education American Dental Assn. 222 East Superior Street Chicago, Ill. 60611
	B. Dentist	Film: "Preventive Dentistry" 45 min.	Discuss role of preventive dentistry as shown in film	Procter & Gamble Distributing Company 555 E. City Line Ave. Bala-Cynwyd, Pa.
	1. Specialist	Exhibit model of a tooth for the students to examine. Hand out diagram with parts labeled	Identify the parts of the tooth and the function of each part	
	a. Oral Surgeon	Handout - "Dentist"	Name 5 advantages of a career in dentistry	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
	1. Description of Work		Name four fields in which dentists can work	American Dental Assn. 211 East Chicago Ave. Chicago, Ill. 60611
	2. Specific characteristics required		Name four fields in which dentists can work	Same as above
	a. Physical			
	b. Emotional			
	3. Educational requirements			
	4. Licensure or certification			

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UNIT 4. DENTAL CLUSTER (Cont'd)

HOURS (App. ex.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	5. Employment Opportunities a.) Location b.) Working conditions	"What About Tomorrow?" 28 min., color, 1971 free	What are the dental needs of your community? Discuss	Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040
	c.) Financial rewards d.) Other Rewards e.) Future Outlook	Optional Activity - describe and display materials and instruments used in each specialty	Observe and examine	
b. Orthodontist 1. 2. 3. as above 4. 5.				
c. Pedodontist 1. 2. 3. as above 4. 5.				
d. Prosthodontist 1. 2. 3. as above 4. 5.		Specialty pamphlets. Series 1, 2, 3, 4, 5, 6	Read and discuss	Colgate Professional Serviced Dept., Colgate- Palmolive Company 740 North Rush Street Chicago, Ill. 60611

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UNIT 4 DENTAL CLUSTER (Cont'd)		BEST COPY AVAILABLE		
HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	e. Periodontist 1. 2. 3. as above 4. 5. f. Endodontist 1. 2. 3. as above 4. 5. g. Other 1. 2. 3. as above 4. 5.			
1 hour	C. Dental Hygienist 1. Description of Work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification	Film "A Bright Future," Amer. Dental Assoc., 28 min., color, sound, 16 mm, 1967, free loan or Film "Dental Hygiene" 28 min. Booklet "Careers in Dental Hygiene"	Describe 2 tasks of a dental hygienist Read and discuss	American Dental Hygienists Assoc., 211 East Chicago Chicago, Ill. 60611 Same as above Same as above

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UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	5. Employment Opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Correct Method of brushing teeth with Dental Kit large scale model of teeth and large brush. Demonstrate use of dental floss. Describe and discuss "plaque". Its relation to decay & periodontal disease	Have students return demonstration Have students return the demonstration Discuss "plaque" control	Crest, Professional Sciences Div., Proctor-Gamble Co., Cincinnati, Ohio Lactoma Inc., St. Paul, MN. (concerns big toothbrush & teeth) (Dental Kits also available from Colgate. See Page 17 for address)
1 hour	D. Dental Assistant 1. Follow outline 2. under Dental Hygienist	Film "Dental Assistant - A Career Service", 13 min. color, sound, 16mm, 1962 free loan or "The Dental Assistant - An Extra Pair of Hands" (filmstrip), color, 11mm Booklet "Dental Assistants" or Booklet "Dental Assistants"	Describe 2 tasks of a Dental Assistant Same as above Read and discuss Read and discuss	U.S. Public Health Service Bureau of Health Manpower, Dental Division, Woodmont & Rugby St., Bethesda, Md. Communicable Disease Center U.S. Public Health Service P. O. Box 185 Chamblee, Georgia 30005 Science Research Associates, Inc., 259 East Erie Street Chicago, Ill. 60611 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221

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UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
		Display instruments used by dental personnel - this can be presented any time during this cluster	Examine instruments	
		Book "Your Future as a Dental Assistant" by Janice C. Frost, 1970 183 pages	Read and discuss	Richards Rosen Press, Inc. 29 East 21st Street New York, N.Y. 10010
2 hours		Give each student a slab, cement, and mixing fluid	Practice mixing material on glass slab.	
			Prepare bulletin board or poster to show four areas of this field.	
			Discuss 5 duties of a dental lab technician	Encyclopaedia Britannica Ed. Corp. Dept. 10A 425 N. Michigan Avenue Chicago, Ill. 60611
			Read and discuss	Nat'l Assn. of Dental Laboratories, 734 15th St, N.W., Washington, D. C. 20006
1 hour	G. Dental Laboratory Technician 1.) 2.) 3.) As under Dental 4.) Hygienist 5.)			
	F. Dental Secretary 1.) 2.) 3.) 4.) 5.)			

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UNIT 4 DENTAL CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours - Depending on prox- imity of lab	G. Dental Receptionist 1.) 2.) 3.) as under Dental 4.) Hygienist 5.)	If time permits and students are interested, this unit may be summarized by role playing the various careers presented in this cluster	Choose roles and role play various dental careers	Local dental laboratory, dental clinic, dental office, or college dental department
		Arrange trip to a dental laboratory or a dental clinic or a dental office or college. Guide discussion following field trip	Observe impressions, plates and samples of materials used. Discuss observations following field trip	

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UNIT 5 MEDICAL LABORATORY CLUSTER

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS' BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Medical Laboratory Occupations A. Overview The medical laboratory, headed by a Pathologist, uses a team of technologists, technicians, assistants, and aides. They assist in the diagnosis and treatment of disease by scientifically testing the patient's blood, tissues, body fluids, and secretions	Elicit student discussion of experiences related to this cluster Give each student culture plate	State experiences related to this area of health Take culture from environment. Read culture plates in 1 week.	American Society of Medical Technologists, Suite 1600 Hermann Bldg., Houston, Texas 77025 American Society of Clinical Pathologists 710 S. Wolcott Ave. Chicago, Ill 60612
1½ hours	B. Medical Laboratory Technologist 1. Description of Work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment Opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Show film "Medical Technologists", 23 min., color, sound, 16mm or "Detectives of Disease" 17 min., color, sound, 16mm, 1965 or "In a Medical Laboratory" 28 min., color, sound, 16mm, 1966	State experiences involved in this career Students will answer: "What are the sub-specialties of pathology?" Discuss pathologist, medical technologist, cytotechnologist, and histologic technician, as shown in film	Nat'l Committee for Careers in Medical Technology, 9650 Rockville Pike, Bethesda, Md. 20014 Benedum School of Medical Technology, 4800 Friendship Ave., Pittsburgh, Pa. 15222 Nat'l Committee for Careers in Medical Technology 9650 Rockville Pike, Bethesda, Md. 20014

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UNIT 5 MEDICAL LABORATORY CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
$\frac{1}{2}$ hour	C. Certified Laboratory Assist. 1.) follow outline under 2.) Medical Laboratory 3.) Technologist 4.) 5.)	Booklet "Medical Techno- logist" Book "Your Future in Medical Technology" by Grace Paul, 1970 illus. 163 pages Film "Hospital Sepsis" Display equipment used in this cluster (Ex. pipet, reagents, flasks, beakers, etc.) Lecture Assemble equipment for lab practice	Read and discuss Read and discuss Discuss cultures illus- trated in film Examine Discussion View prepared slides under microscope (Ex. Pap Smears)	Nat'l Committee on Career in Medical Technology 1501 New Hampshire Ave., Washington, D.C. 20036 Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221 Richards Rosen Press, Inc 29 East 21st Street New York, N.Y. 10010 N.J. Society of Medical Technologists, 15 Clum Av Fords, N. J. 08863 American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610 Board of Certified Lab Assistants, 445 N. Lake Shore Drive, Chicago, Ill. 60611 Registry of Medical Techno- gists, American Society of Clinical Pathologists, 710 Wolcott Ave., Chicago, Ill 60612
1 hour	D. Laboratory Aide 1.) follow outline under 2.) Medical Laboratory 3.) Technologist 4.) 5.)			

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UNIT 5 MEDICAL LABORATORY CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.A.'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1½ hours	E. Cytotechnologist 1.) 2.) follow outline under 3.) Medical Laboratory 4.) Technician 5.)	Collect urine samples from several students. Demonstrate clinitest Show film "Human Cell and the Cytotechnologist" 22 min., color, sound, 16mm, 1957	Return demonstration Discuss duties of a cytotechnologist	Careers in Medical Technol 9650 Rockville Pike Bethesda, Md. 20014
1 hour	F. Histologic Technician 1.) 2.) 3.) as above 4.) 5.)	Prepare equipment Booklet "Histologic Tech- nician" Guest speaker from a blood bank Type blood of students	Examine microscopically prepared slides Read and discuss Interview speaker Allow blood to be typed Observe and discuss procedure	Registry of Medical Technologists Box 2544 Muncie, Indiana 47302 Careers, P.O. Box 135, Largo, Florida 33540
1½ hours	G. Blood Bank Technologist 1.) 2.) 3.) as above 4.) 5.)	Film "Collecting Blood Samples Plan field trip to a clinical pathology lab- oratory. Point out equip- ment (ex. photometer) used	Discuss methods shown in film Discussion of observa- tions following trip to clinical pathology lab- oratory	Becton, Dickinson and Co. Advertising Manager Chicago, Ill. 60646 Clinical pathology Laboratory
4 hours				

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Office Occupations Related to Health A. Overview A team of workers that aid the physician with administrative, statistical, and clerical duties.	Lecture	Discussion	
1 hour	B. Medical Records 1. Medical Record Librarian a. Description of Work b. Specific characteristics required. 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1. Location 2. Working conditions 3. Financial reward 4. Other rewards 5. Future outlook	Booklet "Medical Record Librarian" Free Film "Faith, Facts & Fingertips" 12 min., color, 1969, free Guest speaker from Medical Record Library Simulate a hypothetical court case involving subpoena of patient's hospital record	Read and discuss Discuss the operations of a medical records department Interview by students in a class Role play	American Assn. of Medical Record Librarians, 2111 East Chicago Ave. Chicago, Ill. 60611 Same as above N.J. Medical Records Assn. 65 Bergen Street Newark, N. J. 07107 Local hospital

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	2. Medical Record Tech. a.) b.) Same as Medical c.) Record Librarian d.) e.)	Booklet "Medical Records Technician"	Read and discuss	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221
1 hour	3. Transcriptionist a.) b.) c.) Same as above d.) e.)	Demonstrate dictation and transcription machines	Each student will dictate a prepared paragraph into the machine. Each student will listen and transcribe a paragraph from machine.	
1 hour	4. Coding Clerk a.) b.) c.) Same as above d.) e.)	Display equipment used in this cluster (Ex. card files, rotary file, filing supplies, etc.)	Examine, ask questions	
1 hour	5. File Clerk a.) b.) c.) Same as above d.) e.)	Plan field trip to Medical Records Department of local hospital	Discussion of observations following field trip to Medical Records Library	Local hospital

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	C. Medical Assistant 1. Description of Work 2. Specific characteristics required a.) Physical b.) Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Booklet "Plan Your Career As a Medical Assistant Demonstrate taking of heights and weights Quarterly magazine: "Medical Assistant" free	Read and discuss Return demonstration Read and discuss current articles	American Assn. of Medical Assistants, Inc. 200 East Ohio Street Chicago, Ill. 60601 Smith Kline & French Laboratories, Services Dept. E-10 1500 Spring Garden St. Philadelphia, Pa. 19101
	D. Medical Secretary 1. Description of Work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Booklet "Medical Secretary" 1965 Guest speaker-Medical Secretary Booklet "The Secretary and the Telephone" Pre-recorded tapes	Read and discuss Interview guest speaker Read and discuss Listen and discuss	Chronicle Guidance Briefs Chronicle Guidance Pub. Moravia, N.Y. 13118 Local doctor's office Local Telephone Business Office Same as above

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	E. Medical Receptionist 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Simulate a case study for students to role play Booklet "Receptionist"	Role Play - Receptionist and various types of patients - aggressive, hostile, anxious and pleasant Read and discuss	American Medical Assn. 535 North Dearborn St. Chicago, Ill. 60610 Chronicle Guidance Briefs Chronicle Guidance Publications Moravia, N. Y. 13118
1 hour	F. Admitting Office 1. Supervising admitting clerk/worker/officer a. Description of work b. Specific characteristics required a. Physical b. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Guest speaker from admitting office of local health care facility Booklet "Hospital Admitting Officer"	Interview or ask questions Read and discuss	Local health care facility American Hospital Assn. 840 Lake Shore Drive Chicago, Ill. 60611 Financial Executive Inst. 50 West 44th Street New York, N. Y. 10001

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVAL'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Admitting clerk/worker a. b. c. Same as Supervising d. admitting clerk/worker e. officer 3. Patient Service Representative a. b. c. Same as above d. e.	Simulate an admission situation for students to role play	Role play	
2 hours	G. Business Office 1. Hospital Business Office Manager a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1. Location 2. Working conditions 3. Financial rewards 4. Other rewards 5. Future Outlook	Divide students into groups. Give students recent newspapers.	Prepare college of advertisements from newspapers related to openings available in health office occupations	Location of Daily Newspapers
		Arrange for telephone training program (2 units - Business Studies and Speech)	Practice case material	Local Telephone Business Office

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Cashier a. Same as for Hospital b. Business Office c. Manager d. Manager e.			
	3. Account Clerks a. Same as above b. Same as above c. Same as above d. Same as above e. Same as above	Booklet "Qualifications of the Hospital Accountant" by Joseph Tonascia 1967 Free	Read and discuss	Careers P. O. Box 135 Largo, Fla. 33540
	4. Hospital Credit and Collection clerk (worker) a. Same as above b. Same as above c. Same as above d. Same as above e. Same as above	Bobk "Your Future in the Credit Field" by M.R. Neifield, Ph.D.	Read and discuss	Richards Rosen Press, Inc. 29 East 21st Street New York, N.Y. 10010
1 hour	H. Unit Administration Department 1. Unit Manager (Ward Manager) a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification	Guest speaker - Unit Manager	Interview of speaker by students	Local hospital

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UNIT 6 HEALTH OFFICE OCCUPATION CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook 2. Nursing Service Clerk (Ward Clerk) - a.) - b.) - c.) Same as above - d.) - e.)	Plan field trip to local hospital to observe Unit Manager at work	Discuss observations following field trip	Local hospital

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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVAL'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1/2 hour	Introduction to Occupations Related to Medical Diagnostic Equipment A. Overview This team is trained in the operation, maintenance, or development of sophisticated medical equipment which assist the physician in making accurate diagnoses	Lecture	Discussion	American College of Radiology 20 North Wacker Drive Chicago, Ill. 60606 American Society of Clinical Pathologists, 710 S. Wolcott Ave., Chicago, Ill. 60612
4 hours	B. Electroencephalographic Technician (EEG) 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Hand out booklet "EEG Technician" Plan field trip to health care facility Plan for technicians to demonstrate their equipment	Read and discuss Field trip to observe EEG, EKG, and EMG at hospital Discussion of observation	Michigan Employment Security Commission, State Administrative Office 7310 Woodward Avenue Detroit, Michigan 48202 Contact Local Hospital American Hospital Assn. 840 North Lake Shore Drive Chicago, Ill. 60611

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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER (Cont'd)	HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
C. Electrocardiographic Technician (EKG)	1. 2. 3. Same as under EEG 4. 5.	Same as under EEG	Same as under EEG	Same as under EEG	Same as under EEG
D. Electromyography Technician (EMG)	1. 2. 3. Same as above 4. 5.	Same as above	Same as above	Same as above	Same as above
E. Radiologic Technician	2 hours	1. Diagnostic Technician a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions	Film "More Than a Job" 27 min., color, sound, 16mm 1969, free loan or Training in X-Ray Technology", 13 min., black and white, 16mm 1963	Discuss duties of a radiological technologist in the film	American Society of Radiologic Technologists 645 N. Michigan Ave. Chicago, Ill. 60611 CAF Corporation X-Ray Marketing 140 West 51st Street New York, N.Y. 10020 Dept. of Radiology, Stanford University Palo Alto, Cal. 94304

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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	3.) Financial rewards 4.) Other rewards 5.) Future outlook 2. Therapeutic Technician a. b. c. Same as above d. e.	Booklet "Radiologic Technologists"	Read and discuss	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221 N.J. Society of Radiologic Technologists P. O. Box 212 Metuchen, N.J. 08840
	3. Nuclear Medicine Technician a. b. c. Same as above d. e.	Film "Atoms for Health"	Discuss film	U.S. Atomic Energy Commission Society of Nuclear Medicine 211 East 43 Street New York, New York 10017
	4. Nuclear Medicine Technologist a. b. c. Same as above d. e.	Film "The Strange Case of the Cosmic Rays" 59 min.	Discuss mysteries of cosmic rays	Local Telephone Business Office Society of Nuclear Medical Technologists 1201 Waukegan Road Glenview, Ill. 60025 Photo Products Dept. E. I. DuPont Co., Inc. Wilmington, Del. 19898

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UNIT 7 OCCUPATIONS RELATED TO MEDICAL DIAGNOSTIC EQUIPMENT (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A/V's)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	F. Respiratory Technicians 1. Cardiopulmonary Technician a. Description of work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Film "Breath of Life" 16 min. Local Heart Assn. Film "Rescue Breathing" 21½ min.	Each student will be able to list the steps to follow in a respiratory emergency Return demonstration shown on film	Local Heart Association Local Telephone Business Office
2 hours	2. Inhalation Therapy Technician a. b. c. Same as above d. e.	Demonstrate breathing techniques on Resuscitation Anne Booklet "A Career in Inhalation Therapy" Booklet "The Career You Want"	Return demonstration Read and discuss Read and discuss	American College of Chest Physicians 112 Chestnut Street Chicago, Ill. 60611 Inhalation Therapy Dept. Overlook Hospital Summit, New Jersey 07901 T.B. Respiratory Assn. of Central N.J., 12 Balwin Ave., Jersey City, N.J. 07304

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UNIT 8 DIETARY OCCUPATIONS CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
$\frac{1}{2}$ hour	Introduction to Dietary Occupations (Food Service) A. Overview - This team is trained in caring for the nutritional needs of patients	Lecture Assign students to record food intake for one day. Discuss reports when completed	Discussion Keep record of food intake for a day. Discussion	N.J. State Health Dept. Div. of Consultation Services John Fitch Plaza. Trenton, N.J. 08625
1 hour	B. Nutritionist. 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook C. Dietitian 1. Administrative Dietitian a. b. c. Same as above d. e.	Guest speaker - "Nutritionist" Show film "Toward the Victory of Health" 14 min. color, sound, 16mm, 1967, free	Interview speaker. Ask about malnutrition and hunger in the U.S.A. Discuss two advantages of being a dietitian or a nutritionist.	American Home Economics Assn. 1600 20th St., N.W. Washington, D.C. 20009 Modern Talking Service 1234 Spruce Street Philadelphia, Pa. 19107
		Hand out booklet "Dietitian" Film "The Career Game" 14 min., color, 1970, free loan	Read and discuss Describe three types of dietitians portrayed in the film	Health Careers of Ohio P. O. Box 5574 Columbus, Ohio 43221 Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040

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UNIT 8 DIETARY OCCUPATIONS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Therapeutic Dietitian a. b. c. Same as Administrative d. Dietitian e. 3. Clinic Dietitian a. b. c. Same as above d. e. 4. Teaching Dietitian a. b. c. Same as above d. e.	Explore with students therapeutic diets	Volunteer personal know- ledge of any therapeutic diet	American Dietetic Assn. 620 North Michigan Ave. Chicago, Ill. 60611
1/2 hour	D. Food Service Supervisor 1.) 2.) 3.) Same as above 4.) 5.)	Booklet "Careers in Quantity Food Service"	Read and discuss	Nat'l Restaurant Assn. 1530 North Lake Shore Drive Chicago, Ill. 61610

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UNIT 8 DIETARY OCCUPATIONS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
3 hours	E. Dietary Technician a. b. c. Same as Administrative d. Dietitian e.	Lecture	Discussion	
	F. Food Service Worker a. b. c. Same as above d. e.	Booklet "The Science and Technology of Food"	Read and discuss	Institute of Food Technologists 221 North LaSalle St. Chicago, Ill. 60611
4 hours		Prepare a tray for patient on a regular diet. Have students assist. Home Economics Dept. could be used.	Aid in preparation of trays. Students will eat what they have prepared	The Hospital, Institution and Educational Food Service Society 620 North Michigan Ave. Chicago, Ill. 60611
		Plan field trip to a dietary department of a health facility, school or commercial establishment	Tour dietary department. Discuss observations following trip.	

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UNIT 9 SOCIAL SERVICE CLUSTER

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	Introduction to Social Service Occupations A. Overview A group of workers who help people resolve their social and emotional problems B. Medical Social Worker 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Lecture Speaker - Medical social worker Book: "A Definitive Study of Your Future in Social Work". Bertram Beck. Dec. 1968 - 163 pp. \$2.79 Film: "The Social Worker" 17 min, color, 1967, rental or Film "Harlem Crusader" 29 min., Bl/Wh, 1965 rental	Discussion Interview speaker Read and discuss Name three community problems portrayed in the film Discuss the concept of social work	Nat'l Committee for Social Work Careers, 2 Park Ave. New York, N.Y. 10017 Council on Social Work Educ. 345 East 46th Street New York, N. Y. 10017 Richards Rosen Press, Inc. 29 East 21st Street New York, N.Y. 10010 Universal Education & Visual Arts 221 Park Ave. South New York, N.Y. 10003 Films Inc. 733 Greenbay Road Wilmette, Ill. 60091
1 hour	C. Psychiatric Social Worker 1. 2. 3. Same as above 4. 5.	See page 48 for field trip to psychiatric hospital	Interview social worker in psychiatric setting	Nat'l Committee for Social Work Careers 2 Park Avenue New York, N.Y. 10016

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UNIT 9 SOCIAL SERVICE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	D. Social Service Aide (Community Health Aide, Family Health Worker, Health Assistant/Aide)	Films "People Who Care" 16 min. or "Call it Rehabilitation" 33 min. or "The Critical Decades" 29 min. or "The Task We Face" 15 min. or "Public Health and The Retarded Child" 22 min.	List five forms of therapy shown in films	Nat'l Assn. for Mental Health 10 Columbus Circle New York, New York 10019
	1. Same as under Medical			
	2. Social Worker			
	3. Social Worker			
	4. Social Worker			
1 hour	E. Social Work Technician (Social Work Associate, Social Aide)	Film "By Chance or By Choice" 26 min.	Discuss work of aide or technician shown in film	S.C. State Board of Health Film Library J. Marion Sims Building Columbia, South Carolina 29201
	1. Social Work Technician			
	2. Social Work Associate			
	3. Social Aide			
	4. Social Aide			
1 hour	F. Homemaker	Lecture	Discussion	Nat'l Council for Home- maker Service 1740 Broadway New York, N.Y. 10019
	1. Homemaker			
	2. Homemaker			
	3. Homemaker			
	4. Homemaker			
	5. Homemaker	Booklet "Career Oppor- tunities in Homemaker Home Health Aide Service"	Read and discuss	Local Homemaker Service

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UNIT 9 SOCIAL SERVICE CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
G. Home Health Aide		Booklet "Visiting Home-maker Service Manual" Show film "The Home Health Aide" 20 min., color, sound, 1967	Read and discuss Discuss the advantages of being a home health aide	N.J. Dept. of Health John Fitch Plaza Trenton, N.J. 08625 The American Journal of Nursing Co. Educational Service Division Film Library 267 West 25th Street New York, N.Y. 10001

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UNIT 10 DRUG THERAPY CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	Introduction to Occupations Related to Drug Therapy A. Overview - a team of health workers that compound and dispense medication. B. Pharmacologist 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook C. Pharmacist 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Pharmacologist" 1968 2 pp. fee Guest Speaker: Pharmacologist Quarterly magazine "Pharmacy News" free Film: "Go Pharmacy" 15 min., color, 1971, free	Discussion Read and discuss Interview guest speaker Read and discuss current articles Describe four areas in which a pharmacist can work	American Society of Hospital Pharmacists, 2215 Constitution Avenue, N.W., Washington, D.C. 20037 or 4630 Montgomery Ave. Washington, D.C. 20014 American Society Pharmacology and Exp. Therapeutic Inc. 9650 Rockville Pike Bethesda, Md. 20014 Careers P. O. Box 135 Largo, Florida 33540 Contact Local Pharmacologist Pharmacy News E-90 Smith Kline & French Laboratories Philadelphia, Pa. 19101 Corporate & Community Relations Dept. Parke, Davis & Co. Joseph Campau at the River Detroit, Mi 48232

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UNIT 10 DRUG THERAPY CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours		Plan field trip to pharmaceutical company	Observe, discuss, question	American Pharmaceutical Assn. 2215 Constitution Ave., N.W. Washington, D.C. 20007
1 hour		<u>Hands on Experience</u> Have students take an inventory of drugs at their home. Discuss use, hazards and discard of each.	List drugs kept in each student's home	N.J. Pharmaceutical Assn. 118 W. State Street Trenton, N.J. 08618
1 hour	D. Pharmacy Technician 1. Same as under 2. Same as under 3. Pharmacologist 4. 5.	Booklet "What is a Pharmacist" 5 pp., free, 1966 Show film "Bartlett and Son" 35 min., color, sound, 16mm., free or "Design for Life" 1956 19 min., color, sound, 16mm. or "This is Pharmacy" 27 min. color, sound, 16mm or "Time for Tomorrow" 20 min., blk/wh, sound, color, 16mm Film "The Dangerous Drugs" 22 min.	Read and discuss Describe local pharmacies in your neighborhood Same as above	Upjohn Company 700 Portage Road Kalamazoo, MI 49001 Modern Talking Picture Service, 1234 Spruce St. Phila., Pa. 19107 or 315 Springfield Ave. Summit N.J. 07901 Assoc. Sterling Films, 347 Madison Avenue New York, N.Y. 10017 Assoc. Sterling Films (See above) Assn. Sterling Films 43 W. 61st Street New York, N.Y. 10023
1 hour	E. Pharmacy Aide 1. 2. 3. Same as above 4. 5.		Discuss three hazards of drug abuse	The Narcotic Ed. Foundation of America 5055 Sunset Blvd. Los Angeles, Calif. 90027

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UNIT 11 REHABILITATIVE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Occupations related to rehabilitative therapy A. Overview This team is vitally involved in the treatment and rehabilitation of the patient. The physiatrist is the medical doctor who specializes in rehabilitative medicine and heads this team.	Lecture Show film "Diary of Connie McGregor" B/W sound, 16mm, 1963 Film "Armed Forces Medical Specialists" 14 min., color, 16mm "The O.T. Story" 22 min. Booklet "Can You Deal with These problems?" Film: "Seven for Susie" 14 min., color, 1968, free Book "Your Future in O.T." 1968, 152pp \$2.79	Discussion List 3 rehabilitative areas shown in the film Name three duties shown for each therapist shown in film Same as above Read and discuss Name the seven members of the rehabilitation team. Read and discuss	Assn. for Physical and Mental Rehabilitation 105 St. Lawrence Rehoboth Beach, DE 19971 Arnold Eagle 41 West 41st Street New York, N.Y. 10036 Dept. of Army A-V Section The Pentagon Washington, D.C. 20301 American O.T. Assn. 251 Park Ave. South New York, N.Y. 10010 Same as above Nat'l Easter Seal Society Careers in Rehabilitation 2023 West Ogden Avenue Chicago, Ill. 60612 Richards Rosen Press 29 East 21st Street New York, N.Y. 10010
1 hour	B. Occupational Therapy 1. Occupational Therapist a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1. Location 2. Working conditions 3. Financial rewards 4. Other rewards 5. Future outlook			

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	2. Occupational Therapy Assistant a. Same as under b. Occupational c. Therapist d. e.	"Target" 12 min., color, 16mm. 1965	Discuss film	American O.T. Assn 251 Park Ave., South New York, N.Y. 10010
	3. Occupational Therapy Aide a. Same as above b. c. d. e.	"To Pick a Life" 7 min., color. sound, 16mm. 1964	Discuss film	Same as above
	C. Physical Therapy 1. Physical Therapist a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements	Demonstrate waffle weaving, crocheting, or knitting. This part could also be taught by an Occupational Therapist Lecture Show film "For Today and Tomorrow". 17 min., color, sound, 1967	Students will perform one type of O.T. Discussion Discuss the advantages shown in the film of becoming a Physical Therapist	N.J. Chapter of American Physical Therapy Assn. 201 Pleasant Valley Way West Orange, N.J. 07052 American P.T. Assn. The California Chapters 548 Ocean Street Santa Cruz, Calif. 95060
1 hour				

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	or "The Return" 33 min. or "Within Your Hands" 16 min. B/W, sound, 16 mm		S.C. State Board of Health, Film Library Marion Sims Bldg. Columbia, S.C. 29201
	2. Physical Therapy Assistant a. b. c. Same as above d. e.	Give each student potato and peeler	Discuss the career possibilities in Physical Therapy Try to peel potato with one hand	American P.T. Assn. 2057 Bregg Street Brooklyn, N.Y. 11229
	3. Physical Therapy Aide a. b. c. Same as above d. e.	Booklet "Your Future and Physical Therapy" free, 2 pp. Demonstrate range of motion for one extremity	Read and discuss Divide students in pairs - return demonstrations	Same as above American P. T. Assn. 1740 Broadway New York, N.Y. 10019

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (A.V.A.'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	D. Corrective Therapist 1.. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Plan field trip to a psychiatric or county hospital. See Unit 9. Lecture Guest Speaker: Corrective Therapist	Tour O.T., P.T. and Vocational Rehabilitation Units - discuss observations seen during tour Discussion Students interview speaker	American P.T. Assn. 1156 15th Street, N.W. Washington, D.C. 20005 Local Veterans Hospital
1 hour	E. Rehabilitation Counselor 1. 2. 3. Same as above 4. 5.	Lecture Booklet "The Rehabilitation Counselor" 1968, free 3 pp.	Discussion Read and discuss	American Rehabilitation Counselor Association 1605 New Hampshire Ave. Washington, D.C. Nat'l Assn. for Mental Health 10 Columbus Circle New York, N.Y. 10019

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	F. Homemaking Rehabilitation Consultant 1. 2. 3. Same as under 4. Corrective Therapy 5.	Guest speaker. Show students laborsaving household equipment and shortcuts for household routines. Show film "The Road Back" 23 min. B/W - Sound, 1965 Plan field trip to hospital library (psychiatric, veteran, children's etc.)	Observe, ask questions handle and use equipment List 4 ways the visiting nurse helped with rehabilitation Discuss activities of job with librarian	N.J. Rehabilitation Commission Labor & Industry Bldg. John Fitch Plaza Rm. 1005 Trenton, N.J. 08625 American Home Economics Assn. 1600 20th St., N.W. Washington, D. C. 20005 American Red Cross 17th and D Streets Washington, D.C. 20006 Medical Library Assn. 919 N. Michigan Street Suite 1601 Chicago, Ill 60610 American Library Assn. 50 E. Huron Street Chicago, Ill. 60611 Contact Hospital Music Therapist
4 hours	G. Hospital Librarian or Reading Therapist 1. 2. 3. Same as above 4. 5.			
	H. Music Therapist 1. 2. 3. Same as above 4. 5.	Include music therapy dept. in above trip. Therapist will demonstrate a music therapy session	Observe and ask questions	

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UNIT 11 REHABILITATIVE CLUSTER (Cont'd)

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HOURS
(Approx.)

CONTENT

INSTRUCTORS
ACTIVITIES (AVALS)

STUDENTS BEHAVIORAL
ACTIVITIES
(Assignments)

REFERENCES

Booklet "Music Therapy as
a Career" 1969, free 4 pp

Read and discuss

Nat'l Assn. for Music
Therapy, Inc.
P. O. Box 610
Lawrence, Kansas 66044

Film "Music Therapy Intern-Describe the work of
ship" 20 min., B/W, 1967, the music therapist as
free portrayed in the film

Nat'l Medical Audiovisual
Center (Annex) Station K
Atlanta, Georgia 30324

- I. Recreational Therapist
 1. Same as under
 2. Corrective Therapy
 - 3.
 - 4.
 - 5.

Include recreational
therapy dept. in above
trip. Therapist will
discuss recreational
therapy

Listen, ask questions

Consulting Service on
Recreation for Ill and
Handicapped
Nat'l Recreation & Park
Assn., 8 West 8th St.
New York, N.Y. 10011
and
1700 Pennsylvania Ave.
N.W., Washington,
D.C. 20006

Booklet "The Recreation-
al Therapist" 1968 Free
4 pp.

Read and discuss

Nat'l Assn. for Recrea-
tional Therapists, Inc.
Eastern State Hospital
Vinita, Okla. 74303

Nat'l Assn. for Mental
Health, 10 Columbus
Circle
New York, N.Y. 10019

J. Speech Therapist
- See Unit 13

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UNIT 11. REHABILITATIVE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	K. Other Related Occupations 1. Prosthetist and Orthotist a. Description of work b. Specific characteristics required 1. Physical 2. Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1. Location 2. Working conditions 3. Financial rewards 4. Other rewards 5. Future outlook 2. Prosthetist technician/ aide Orthotist technician/ aide - a. - b. c. Same as above - d. - e.	Guest speaker-Display of artificial limb, braces, supports and other orthopedic appliances Film "Men and Mobility" 17 min. Color. Sound 16 mm	Observe, handle equipment, discuss, question Discuss the advantages of this health field shown in the film Discussion	American Orthotic and Prosthetic Association 918 18th St., N.W. Washington, D.C. 20006 Norwood Studios, Inc. 926 N.J. Avenue, N.W. Washington, D.C. 20210 America Board of Certification of the Prosthetic and Orthopedic Industry, Inc., 411 Association Bldg. 1145 19th Street Washington, D.C. 20006 Prosthetists and Orthotists Society of N.J. 8-10 South Harrison St. East Orange, N.J. 07602 American Academy of Orthopaedic Surgery 29 East Madison Street Chicago, Ill. 60602

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UNIT 12 HEALTH OCCUPATIONS RELATED TO COMMUNICATIONS SKILLS CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	Introduction to Occupations related to Communication Skills A. Overview A team of workers who coordinate activities of community agencies with services of the health facility			
2 hours	B. Volunteer Services 1. Director of Volunteer Services a. Description of work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Lecture Guest speaker-Director of Volunteer Services from a local hospital Film "Volunteers in Hospitals" B/W, 15 min. Rental fee	Discussion Discuss advantages and disadvantages of occupation Discuss the role of the volunteer as portrayed in the film	Contact your local hospital American Hospital Assn. 840 N. Lake Shore Drive Chicago, Ill. 60611

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UNIT 12 HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Volunteer Workers (Gray Ladies, Minute Men, Jans, Red Coats) - Same as under - Director of Volunteer Services	Show film "A Gift of Time" 25 min., 1957, rental \$10.00 or "Volunteers in Hospitals" 15 min. B/W, rental \$5.00	Describe 5 duties performed by volunteers Same as above	American Hospital Assn. 840 North Lake Shore Drive Chicago, Ill. 60611 Same as above
1 hour	C. Health Information Specialist/Science Writer - Description of work - Specific characteristics required - Physical - Emotional - Educational requirements - Licensure or certification - Employment opportunities - Location - Working conditions - Financial rewards - Other rewards - Future outlook	Elicit discussion of information learned on radio or T.V. about the health field Booklet "A Guide to Careers in Science Writing" 8pp, free, Give Assignment	State information learned on radio or T.V. about health field Read and discuss	Nat'l Assn. of Science Writers, Inc. 73 Carlton Ave., Apt. 18A Port Washington, N.Y. 11050 Same as above
		Assign students to bring in newspaper articles related to health	Write and act out a spot announcement for T.V. on a current health problem (ex. V.D., drugs, pollution) Arrange a bulletin board display or have students make permanent booklets	

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UNIT 12 HEALTH OCCUPATIONS RELATED TO COMMUNICATION SKILLS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	D. Hospital Chaplain 1. Same as under Health 2. Info. Specialist/ 3. Science Writer 4. 5.	Booklet "Health Education as Your Career"	Read and discuss	American Assn. for Health, Physical Education and Recreation, N.E.A. 1201 6th Street, N.W. Washington, D.C. 20006
		Book: "Your Future in Technical and Science Writing" By Emerson Clarke and Vernon Roet 160 pp. 1972, \$3.99	Read and discuss	Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010
		Guest speaker - Chaplain	Interview by students	Chaplain's department. Contact local hospital.
	E. Hospital Public Relations Director 1. 2. 3. Same as above 4. 5.	Lecture	Discussion	The Information Center Public Relations Society of America, Inc. 845 Third Avenue New York, N.Y. 10022
1 hour	F. Public Health Educator/ School Health Educator 1. 2. 3. Same as above 4. 5.	Lecture	Discussion	Society of Public Health Educators, Inc. 419 Park Avenue, South New York, N.Y. 10016

1 hour

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UNIT 12 HEALTH OCCUPATIONS RELATED TO COMMUNICATION SKILLS CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
G.	Public Health Statistician	Hand out "Public Health Statistician"	Read and discuss	American Assn. for Health, Physical Education and Recreation 1201 16th Street, N.W. Washington, D.C. 20036
	1. 2. 3. Same as above 4. 5.			
H.	Medical Illustrator	Guest speaker - Show illustrations, models, graphs, and charts	Interview speaker Observe and discuss	Health Careers Information N.Y. State Dept. of Health Box 200 Albany, N.Y. 12203 American Statistical Assn. 810 18th St., N.W. Washington, D.C. 20006
	1. 2. 3. Same as under Health Information Specialist/ 4. Information Specialist/ 5. Science Writer			
				Biological Photograph Assn., Inc., P. O. Box 12866 Philadelphia, Pa. 19108 Assn. of Medical Illustrators University of Nebraska College of Medicine 42nd & Dewey Avenue Omaha, Nebraska 68105 Assoc. of Medical Illustrators 738 Keystone Ave. River Forrest, Ill. 60305

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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER

UNIT (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	Introduction to Occupations related to Special Senses A. Overview These specialists assess and treat problems related to the special senses. B. Ear Therapist 1. Audiologist a. Description of work b. Specific characteristics required 1.) Physical 2.) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1.) Location 2.) Working conditions 3.) Financial rewards 4.) Other rewards 5.) Future outlook	Lecture Demonstrate audiometer. Use students for demonstration Film "Your Ears and Hearing" 11 min. Film "Breaking the Sound Barrier" 28 min., color, 1968, free Arrange with school nurse for rotating students, one or two at a time to assist during routine audiometric testing	Discussion Observe and discuss Discuss film Describe how speech professionals help handicapped children Help school nurse with audiometric testing	American Assn. of Ophthalmology 1100 17th Street, N.W. Washington, D.C. 20036 American Speech & Hearing Association 9030 Old Georgetown Road Washington, D.C. 20014 N.J. State Dept. of Health John Fitch Plaza Trenton, N.J. 08625 Association-Sterling Films 866 Third Avenue New York, N.Y. 10022 Local school nurse

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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	2. Audiology Technician a. b. c. Same as above d. e.	Booklet "Hearing and Speech Careers" 1967. 8pp free	Read and Discuss	Nat'l Assn of Hearing & Speech Agencies 919 18th Street, N.W. Washington, D.C. 20006
	C. Eye Therapist 1. Optician a. b. c. Same as under d. Audiologist e.	Film "Ophthalmic Careers: Ophthalmology" 17min., color, 1969, Rental Plan field trip to large optical establishment Booklet "Ophthalmologist, Oculist, Optometrist, Optician; Do You Know the Difference?" 1968-lpp free	Name six careers in the field of ophthalmology Observe and discuss lens grinding and assembling lens into frames Read and discuss	Films Incorporated 733 Greenbay Road Wilmette, Ill. 60091 American Board of Opticianry, 821 Eggert Road Buffalo, N.Y. 14226 Nat'l Society for the Prevention of Blindness 79 Madison Avenue New York, N.Y. 10016 Encyclopedia Britannica Ed. Corp., Dept. 10-A 425 N. Michigan Avenue Chicago, Ill., 60611
	2. Optical Technician a. b. Same as under c. Audiologist d. e.	Film loop "Dispensing Opticians and Optical Lab Mechanics" Give each student a ruler used by opticians	Describe the work of an optician Measure taking facial measurements for glasses	Guild of Prescription Opticians of America, Inc. 1250 Connecticut Ave., N.W. Washington, D.C. 20036

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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	D. Optometrist 1. 2. 3. Same as above 4. 5.	Book "Your Future as an Optician" by Hans Hirschborn 158pp., 1970, \$3.99 Demonstrate machine used in testing of eyes as well as Snellen test Booklet "What is an Optometrist" free, 4pp Film "A Career with Vision" 14 min., sound color, free Arrange with school nurse for students to assist during eye screening Booklet "Optometry for You" free	Read and discuss Students paired off and test each other Read and discuss Discuss the work of the optometrist and the requirements of the profession Help school nurse with eye screening tests Observe and discuss Read and discuss	Richards Rosen Press 29 E. 21st St. New York, N.Y. 10010 American Optometric Assn. 7000 Chippewa St. St. Louis, MO 63119 N.J. Optometric Assn. Public Information Office 514 Greenwood Avenue Trenton, N.J. 08609 Local school nurse N.J. Optometric Assn. Public Information Office 514 Greenwood Avenue Trenton, N.J. 08609 American Orthoptic Council 3400 Massachusetts Ave. N.W. Washington, D.C. 20007
1 hour	E. Optometric Technician 1. 2. 3. Same as above 4. 5. F. Therapists related to Ophthalmology 1. Orthoptist a. b. c. Same as under d. Audiologist e.			

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UNIT 13 OCCUPATIONS RELATED TO SPECIAL SENSES CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	2. Orthoptic Technician/ Assistant a. b. c. Same as above d. e.	Booklet "A Career in Orthoptics" 1968, free 4pp	Read and discuss	American Assn. of Certified Orthoptists University of Calif. San Francisco Medical Center San Francisco, Calif. 94122
	3. Ophthalmic Technician a. b. c. Same as above d. e.			
1 hour	G. Speech Therapist 1. 2. 3. Same as above 4. 5.	Guest speaker - tapes of therapy between patient and speech therapist Prepare tapes of stud- ent's speech Film "In Terms of Speech" 16 min., B/W, 1966, Rental \$4.00	Listen, discuss, question Speak on tape & listen to playback. Discuss differences Discuss two speech problems portrayed in the film	Nat'l Assn. of Hearing and Speech Agencies 919 18th Street, N.W. Washington, D. C. 20006 N.J. Academy of Epthal- mology & Otolaryngology 406 Cooper Street Camden, N.J. 08102 Film Division Cinema Division University of Southern Calif. University Park, Los Angeles California 90007

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UNIT 14 RESEARCH SCIENCE CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Occupations related to Research A. Overview A group of workers with special skills related to the problems of health and disease prevention	Film "A Story with No End" 20 min., color, 16mm, free or Film "Decision for Research" or Film "Of Men and Minds" 29 min. 1968 Free	Describe feelings towards tour of lab shown in film Name two methods of research used by scientists Discuss the work of scientist shown in the film	Modern Talking Picture Service, 1234 Spruce St. Philadelphia, Pa. 19107 Science Service 1719 N. Street, N.W. Washington, D.C. 20036 American Heart Assn. Film Library 267 West 25th Street New York, N.Y. 10001
1 hour	B. Biochemists 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Guest speaker Booklet "Chemistry and Your Career" Booklet "Careers in Biology" 1967, free	Interview guest speaker Read and discuss Read and discuss	American Society of Biological Chemists 9650 Rockville Pike Bethesda, Md. 20014 American Chemical Society 1155 16th Street, N.W. Washington, D.C. 20006 American Institute of Biological Sciences 3900 Wisconsin Ave., N.W. Washington, D.C. 20418

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UNIT 14. RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	C. Biophysicists 1. Same as under Bio- 2. chemists 3. 4. 5.	Booklet "Biophysicist" 1968, 2pp, 15¢	Read and discuss	Careers, P. O. Box 135 Largo, Florida 33540
2 hours	D. Bacteriologist 1. 2. 3. Same as above 4. 5.	Film "A Career in Bacteriology" 15 min., color, sound, 16mm	List four opportunities shown in the film for bacteriologists	Indiana University Audio Visual Center Bloomington, Indiana
1 hour	E. Anatomist 1. 2. 3. Same as above 4. 5.	Guest speaker	Interview guest speaker	American Institute of Biological Sciences 3900 Wisconsin Ave., N.W. Washington, D.C. 20016
		Booklet "Your Career in Anatomy"	Read and discuss	University of Michigan Dept. of Anatomy Ann Arbor, Michigan
	F. Physiologist 1. 2. 3. Same as above 4. 5.	Lecture	Discussion	American Physiological Society 9650 Rockville Pike Bethesda, Maryland 20014
4 hours		Booklet "Choosing a Career" 1965, free, 11pp Plan field trip	Read and discuss Tour Medical Research Laboratory	Same as above Contact local Laboratory

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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	G. Microbiologist 1. Same as under 2. Biochemists 3. Biochemists 4. Biochemists 5. Biochemists	Booklet "Microbiologist" Prepare slides of organisms Lecture Booklet "A Career in Medical Science Pathology" 1966, free, 32pp	Read and discuss View organism through microscope Discussion Read and discuss	Health Careers of Ohio P.O.Box 5574, Columbus, OH 43221 American Society for Microbiology, 1913 First St., N.W. Washington, D.C. 20036 College of American Pathologists Prudential Plaza Suite 2115 Chicago, Ill. 60611 National Health Council 1790 Broadway New York, N.Y. 10019
1 hour	H. Pathologists 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Guest speaker	Interview	
	I. Toxicologists 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above			
	J. Health Sociologist 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Hand out literature received from reference Booklet "Professional Opportunities for Social Scientists" 1968 free 5 pp	Read and discuss Read and discuss	The American Sociological Association 1755 Massachusetts Ave., N.W. Washington, D.C. 20036 U.S. Civil Service Commission 1900 E Street, Washington, D.C. 20415

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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	K. Immunologists 1. 2. 3. Same as under 4. Biochemists 5.	Prepare questions for students to ask of this health worker during tour of Research Laboratory	Observe and ask questions of this worker during field trip	
	L. Virologists 1. 2. 3. Same as above 4. 5.	Lecture	Discussion. Observe this worker during field trip	
	M. Medical Engineer/Health Physicist 1. 2. 3. Same as above 4. 5.	Booklet "Physics as a Career" Lecture	Read and discuss Discussion	American Institute of Physics 335 East 45th Street New York, N.Y. 10017 Medical Engineering & Electronics 2 East 63rd Street New York, N.Y. 10016
	N. Medical Engineer Tech./Health Physics Tech. 1. 2. 3. Same as above 4. 5.	Booklet "Engineering, A Career of Opportunity"	Read and discuss	Nat'l Society of Prof. Engineers 2029 J Street, N.W. Washington, D.C. 20006

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UNIT 14 RESEARCH SCIENCE CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	O. Medical Librarian 1. 2. 3. Same as under 4. Biochemists 5.	Lecture Booklet "Medical Librarian." 1968, 4pp 45¢	Discussion	Medical Library Assn., Inc. 919 N. Michigan Street Suite 1601 Chicago, Ill. 60611
	P. Technical Writer 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Technical Writer" 1968, 35¢ 7pp	Read and discuss Discussion Read and discuss	Science Research Assn., Inc. 259 East Erie Street Chicago, Ill. 60611 Society of Technical Writers & Publishers, Inc. P.O. Box 3706 Beechwood Station Columbus, Ohio 43214 Careers P.O. Box 13¢ Largo, Florida 33540

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	Introduction to Occupations related to Community and Environmental Health - Community Health - Overview A group of workers who deal with the health of the community - Public Health Admin. - Description of work - Specific characteristics required - Physical - Emotional - Educational requirements - Licensure or certification - Employment opportunities - Location - Working conditions - Financial rewards - Other rewards - Future outlook	Lecture Film "Journey to Medicine" 20 min. B/W, 16mm, free loan Booklet "Ycur Career in Public Health" 1966, free, 35 pp Film "Health in Our Community" 13 min., color, 1969, rental or "Not as a Privilege" 29 min., color, 1969, free	Discussion Discuss advantages of choosing public health as an occupation Read and discuss Discuss your community health problems Describe the neighborhood Health Center portrayed in the film	U.S. P.H. Service A-V Facility Nat'l Communicable Disease Center Atlanta, Ga. 30333 Calif. State Dept. of Public Health 215 Berkeley Way. Berkeley, Calif. 94704 Encyclopedia Britannica Educational Corporation 1822 Pickwick Avenue Glenview, Ill. 60025 Modern Talking Pictures 2323 New Hyde Park Road New Hyde Park, N.Y. 11040

UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)	HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
		C. Public Health Statistician/Biomathematician 1. Same as under Public 2. Health Administrator 3. Same as under Public 4. Health Administrator 5.	Booklet "Careers in Statistics"	Read and discuss	American Statistical Assn. Room 703 810 18th Street Washington, D.C. 20006 National Center of Health Statistics, U.S. Public Health Service, Dept. of H.E.W., Room 10066, Washington, D.C. 20201
		D. Public Health Nurse 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Refer also to Public Health Nurse under Patient Care Cluster	Show film "Long Day's Journey". 29 min., B/W, sound, 1953, (Guide) Discussion or "The Road Back". 23 min., B/W, sound, 1966 or "Almost a Miracle" 26 min. color, 1964, Rental \$6.50	Discuss the public health nurse in her areas of work Discuss the role of the visiting nurse as shown in the film. Discuss the role of the Public Health Nurse in the film	American Journal of Nursing Co., Educ. Services Division, Film Library, 267 West 25th St., N.Y., N.Y. 10001 American Red Cross 17th and D Street Washington, D.C. 20006 American Nurses Assn. 267 West 25th Street New York, N.Y. 10001
		E. Health Officer 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5.	Lecture Guest speaker: Health Officer	Discussion Interview speaker	Contact Local Health Officer
		F. Public Health Educator (See Unit 12)			

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)		STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	
HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	REFERENCES
4 hours	G. Community Health Planner 1. Same as under Public Health Administrator 2. Health Administrator 3. Health Administrator 4. Health Administrator 5. Health Administrator H. Community Health Worker (see Social Service Cluster) 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Plan field trip to community health dept.	Local Community Health Dept. American Public Health Assoc. 1740 Broadway New York, N.Y. 10019
2 hours	I. Sanitarian 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Draw large map of county or city	Students will pinpoint major community facilities on map
1 hour	J. Emergency and/or Disaster Specialist 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Film "Crisis...Blueprint for Communication" 17 min., B/W, 1966, Rental \$4.00 "Disaster Plan" 16 min. color, 1958, free	American Hospital Assn. 840 North Lake Shore Drive Chicago, Ill. 60611 Abbott Laboratories Film Service Dept. North Chicago, Ill.

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	K. Community Health Volunteers (Red Cross, Civil Defense, Rescue Squad, Fire Dept.). Voluntary Agency (Cancer, Heart, etc.) 1. Same as Public Health 2. Administrator 3. Administrator 4. Administrator 5. Administrator 2. Environmental Health A. Overview A group of workers dealing with community health who specialize in environmental factors	Booklet "Panic or Plan?" and Film "Emergency 77" 14 min., 16mm, B/W, sound, free Prepare outline for use during survey. If time permits, invite a volunteer agency to present material and resources available. Film "Watch on Health" 13 min., color, sound, free or "Engineering Your Health" 13 min., color, sound, 16mm, 1958, free	Name three ways to prevent emergencies Survey community for resources. Discuss Findings Discuss film Name three Health hazards shown in the film	Metropolitan Life Insurance Company 1 Madison Avenue New York, N.Y. 10010 Local Volunteer Agency N.J. Dept. of Environ- mental Protection P.O. Box 1390 Trenton, N.J. 08625 U.S.P.H. Service A-V Facility Nat'l Communicable Disease Center Atlanta, Ga. 30333 Same as above

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4 hours	B. Industrial Hygienist 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Industrial Hygienist" 1966, 4 pp, free	Discussion Read and discuss	American Industrial Hygiene Association 14125 Pacvost Street Detroit, Michigan 48227 Industrial Hygiene Division U.S. Public Health Serv. Washington, D.C. 20225 N.J. Dept. of Health John Fitch Plaza Trenton, N.J. 08625
	C. Venereal Disease Control Worker 1. 2. 3. Same as above 4. 5.	Film "A Respectable Neighborhood" 25 min., B/W Booklet "What you should know about Gonorrhea" & "What you Should know about Syphilis"	Discuss film Read and discuss	N.J. State Museum Ext. Service, Dept. of Ed., P.O.Box 1868 Trenton, N.J. 08625 Health Education Service P.O. Box 7283 Albany, N.Y. 12224
	D. Safety Engineer 1. 2. 3. 4. 5.	Plan field trip to local water filtration plant, local sewage plant, or poison control center.	Observe, discuss, and question	Contact local plants American Society of Safety Engineers 850 Busse Highway Park Ridge, Ill. 60068

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
E. Sanitarian (Environmental Scientists/Epidemiologists)	1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Booklet "Your Future in Safety Engineering" 1965, free, 12pp.	Read and discuss	Nat'l Safety Council Director of Public Infor. 425 W. Michigan Ave. Chicago, Ill. 60611
		Lecture	Discussion	Nat'l Association of Sanitararians Lincoln Bldg. 15550 Lincoln Street Denver, Col. 80203
		Booklet "The Professional Sanitarian" free, 14 pp.	Read and discuss	Nat'l Medical A-V Center, Station K Atlanta, Georgia 30324
		Film "Engineering Your Health" 14 min., color, 1950, free	Name four opportunities within the profession of sanitary engineering	American Public Health Assn., 1740 Broadway New York, N.Y. 10019
		Simulation Game: Smog or Dirty Water Free loan	Participate in game	N.J. Occupational Research & Development Resource Center, Plainfield Avenue Edison, N.J.
F. Environmental Health Technician	1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Film "All the Difference" 16 mm, 20 min., color, free	Discuss the pollution crisis portrayed in the film.	Audio-Visual Service Eastman Kodak Company 343 State Street Rochester, N.Y. 14650

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UNIT 15 COMMUNITY AND ENVIRONMENTAL HEALTH CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENT'S BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
3 hours		Air pollution or micro- biology kit	Do experiments in kit	Union Carbide Corp. P.O. Box 363 Tuxedo, N.Y. 10987
1 hour	G. Sanitary Engineer 1. 2. Same as under Public 3. Health Administrator 4. 5.	Lecture	Discussion	U.S. Public Health Serv. Dept. of H.E.W. Washington, D.C. 20025 American Society of Civil Engineers 345 East 47th Street New York, N.Y. 10017 National Environmental Health Association 1600 Pennsylvania Ave. Denver, Col. 80203
		"Environmental Pollution: Our World in Crisis" film strips, fee	Name and discuss the consequences and solutions for three problem areas of pollution	Ward's Natural Science Establishment, Inc., P.O. Box 1712 Rochester, N.Y. 14603
		Booklet "A Career Opportunity in Environmental Health" 4 pp., free	Read and discuss	N.J. State Dept. of Health John Fitch Plaza Trenton, N.J. 08625

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UNIT 16 OTHER OCCUPATIONS CLUSTER

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Other Occupations A. Overview This is a group of miscellaneous health workers who do not fit into a particular cluster B. Medical Photography 1. Medical Photographer a. Description of Work b. Specific characteristics required 1) Physical 2) Emotional c. Educational requirements d. Licensure or certification e. Employment Opportunities 1) Location 2) Working conditions 3) Financial rewards 4) Other rewards 5) Future outlook 2. Biomedical photography technician a. b. c. Same as above d. e.	Book "Your Future in Medical Illustrating: Art and Photography" by Julia and Massy Makamura 160 pp. 1971, \$3.99 Film "Cameras and Careers" 28 min., color sound, 16 mm., free Booklet "Medical Illustrator"	Read and discuss Name three careers in the field of photography Read and discuss	Richards Rosen Press 29 E. 21st St. N.Y., N.Y. 10010 Audio Visual Service Eastman Kodak Co. 343 State Street Rochester, N.Y. 14650 Health Careers of Ohio P.O. Box 5574 Columbus, Ohio 43221

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
2 hours	C. Osteopathic Physician 1. Same as under 2. Medical Photographer 3. Same as under 4. Medical Photographer 5.	Guest speaker or Visit osteopathic physician's office Film "American Doctor"	Interview speaker Observe, discuss, question Discussion of advan- tages of osteopathic profession Read and discuss	American Osteopathic Assn., 212 E. Ohio St. Chicago, Ill. 60611 Same as above Same as above
2 hours	D. Chiropractist 1. Same as under 2. Medical Photographer 3. Same as under 4. Medical Photographer 5.	Booklet "The Osteopathic Profession free, 6 pp Film "The Chiropracty- Podiatry Clinic in Hospital Routine" 20 min., color, sound, 1958	Discuss the role of the podiatrists - chiropractists in the hospital Discussion Read and discuss	American Journal of Nursing Co. Ed. Services Division Film Library 267 West 25th Street New York, N.Y. 10001
	E. Podiatrist 1. Same as under 2. Medical Photographer 3. Same as under 4. Medical Photographer 5.	Lecture Booklet "Doctor of Podiatry" 3pp, free Film "Podiatry: Oppor- tunity and Challenge" 14 min., color, 1970, free	Discuss importance of a podiatrist List duties of a podiatrist	American Podiatry Assn. 20 Chevy Chase Circle, N.W., Washington, D.C. 20010 American Educational Films, 331 N. Maple Drive, Beverly Hills, Calif. 90210 American Podiatry Assn. 3301 16th St., N.W. Washington, D.C. 20010

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 Hour	F. Psychologist 1. Same as under 2. Medical Photographer 3. Same as under 4. Same as under 5. Same as under	Guest speaker - Psychologist Film "Angry Boy"	Interview guest speaker Discuss role of psychologist shown in the film Read and discuss	Local School Psychologist Trenton State Museum Trenton, N.J. 08625
1 hour	G. Psychometrist 1. Same as under 2. Same as under 3. Medical Photographer 4. Same as under 5. Same as under	Booklet "A Career in Psychology" 1965, free, 31 pp. Guest speaker Discuss tests used Demonstrate word association test with one or two students	Interview speaker Observe and discuss	American Psychological Association 1200 17th St., N.W. Washington, D.C. 20036 Contact local Psychometrist
1 hour	H. Mortician and Funeral Service Technician 1. Same as above 2. Same as above 3. Same as above 4. Same as above 5. Same as above	Guest speaker	Interview Guest speaker	Contact local Mortician
3 hours	I. Veterinarian and Veterinarian Assist./Tech. 1. Same as above 2. Same as above 3. Same as above	Lecture Booklet "Career Facts About Veterinary Medicine" free, 5 pp.	Discussion Read and discuss	American Veterinary Medical Assn., 600 S. Michigan Ave., Chicago, Ill. 60605

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UNIT 16 OTHER OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
4. 5.		Film "Gentle Doctor" 21 min., color, sound, 16mm Film "Laboratory Animal Technician: A Career in Care" 22 min., color, 1957, free Book "Your Future in Veterinary Medicine" by Wayne H. Riser 164pp., 1970, \$3.99 Film "Pulse of Life," Life Saving Methods" 27 min., rental \$15.00 or "Anatomy of an Accident" 26½ min. Guest speaker Booklet "A Professional Career in Chiropractic"	Discuss one activity in the life of a veterinarian Discuss the respon- sibilities of the animal technician Read and discuss List three life saving methods Discuss events depicted in film Interview guest speaker Read and discuss	Assn. Sterling Films 347 Madison Avenue New York, N.Y. 10017 Nat'l Society for Medical Research 1330 Massachusetts Ave., N.W., Washington, D.C. 20005 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010 Pyramid Film Producers P. O. Box 1048 Santa Monica, Calif. Local Bell Telephone Business Office Contact local chiropractor American Chiropractic Association 2200 Grand Avenue P.O. Box 1535 Des Moines, Iowa 50306
1 hour	J. Ambulance Drivers Ambulance Aide First Aide Workers 1. 2. 3. Same as above 4. 5.			
1 hour	K. Chiropractor 1. 2. Same as under 3. Medical Photographer 4. 5.			

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UNIT 16. OTHER OCCUPATIONS CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
L. Aerospace Medicine 1. 2. 3. Same as above 4. 5.		Booklet "Careers in Aerospace Medicine and Life Sciences" Book "Your Future in Aerospace Technology by Colonel L. D. Ely	Read and discuss Read and discuss	Aerospace Medical Assn. Washington Nat'l Airpt. Washington, D. C. 20001 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010

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UNIT 17 HOSPITAL FINANCING CLUSTER (OPTIONAL)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Occupations Related to Financing			
1 hour	A. Overview			
1 hour	B. Health Economist 1. Description of work 2. Specific characteristics required a. Physical b. Emotional 3. Educational requirements 4. Licensure or certification 5. Employment opportunities a. Location b. Working conditions c. Financial rewards d. Other rewards e. Future outlook	Lecture or guest speaker "Health Economist"	Discussion	Local hospital
	C. Hospital Controller 1. 2. 3. Same as above 4. 5.	Lecture-This health field included in booklet listed with Hospital Accountant	Discussion	
	D. Hospital Credit Manager 1. 2. Same as under 3. Health Economist 4. 5.	Booklet "Initiation to Achievement" 1967, 32 pp free	Read and discuss	American Management Assn. 1515 Broadway New York, N.Y. 10036

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UNIT 17 HOSPITAL FINANCING CLUSTER (Cont'd)

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HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA's)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	E. Hospital Accountant 1. 2. 3. Same as above 4. 5.	Lecture Booklet "Careers in Financial Management & Controllershship" free 6pp	Discussion Read and discuss	Financial Executive Inst. 50 West 44th Street New York, N.Y. 10001 Hospital Financial Management Association 840 North Lake Shore Dr. Chicago, Ill. 60611 Accounting Careers Council Nat'l Distribution Center P. O. Box 650 Radio City Station New York, N.Y. 10019
3 hours	F. Hospital Computer Operator and Hospital Computer Programmer 1. 2. 3. Same as above 4. 5.	Demonstration by a hospital computer team. Booklet "Computer Career"	Observe and discuss Read and discuss	Medical Engineering & Electronics 2 East 63rd Street New York, N.Y. 10016 American Federation of Inf. Processing Societies 210 Surmit Avenue Montvale, N.J. 07645 Richards Rosen Press 29 E. 21st Street New York, N.Y. 10010

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (OPTIONAL)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	Introduction to Supportive Occupations in Health Facilities A. Overview B. Housekeeping 1. Supervisor, Lead Man, Assistant Housekeepers, and Executive a. Description of work b. Specific characteristics required 1) Physical 2) Emotional c. Educational requirements d. Licensure or certification e. Employment opportunities 1) Location 2) Working conditions 3) Financial rewards 4) Other rewards 5) Future outlook 2. Aide, Maid, Porter, Janitor a. b. c. Same as above	Lecture "Hospital Housekeeping's Place on the Hospital Team" (film strip) free "Hospital Housekeeping Safety" 15 min., color, 1964, \$3.00 Booklet "In Choosing A Career-Consider Executive Housekeeping" Lecture	Discussion Discuss the role of housekeeper on the health team Discussion of safety measures for hospital workers shown in the film Read and discuss Discussion	Vestal Laboratories 4963 Manchester Ave. St. Louis, Mo. 63110 The National Executive Housekeepers Assn., Inc. Business & Professional Bldg. Gallipolis, Ohio 45631 American Hospital Assn. 840 North Lake Shore Dr. Chicago, Ill. 60611

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	d. e.			
	3. Laundry Manger/Worker- Washman/Flat Iron Workers- Packmakers	Lecture	Discussion	
	a. Same as under			
	c. Housekeeping No. 1			
	d. e.			
1 hour	C. Engineering	Lecture	Discussion	Local Hospital
	1. Hospital Engineer	Booklet "Hospital Engineer"	Read and discuss	American Hospital Assn. 840 North Lake Shore Dr. Chicago, Ill. 60611
	a.			
	b. Same as above			
	c. d. e.			
3 hours	2. Hospital Maintenance Worker	Lecture	Discussion	
	a.			
	b. Same as above			
	c. d. e.			
	D. Central Supply (Service)	Lecture	Discussion	

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
1 hour	1. Central Service Suprv. a. b. Same as above c. d. e.	Plan tours through these hospital areas	Discussion of obser- vations following trip	Local Hospital
	2. Central Service Tech/ Helper a. b. Same as under c. Housekeeping No. 1 d. e.	Lecture	Discussion	
	E. Purchasing 1. Purchasing Agent/Manager a. b. c. Same as above d. e.	Lecture Booklet "Hospital Purchasing Agent" 1966, free, 3pp.	Discussion Read and discuss	American Hospital Assn. 840 Lake Shore Drive Chicago, Ill. 60611
	2. Supervisor of Stores Operation a. b. c. Same as above d. e.	Lecture	Discussion	

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UNIT 18 SUPPORTIVE OCCUPATIONAL CLUSTER (Cont'd)

HOURS (Approx.)	CONTENT	INSTRUCTORS ACTIVITIES (AVA'S)	STUDENTS BEHAVIORAL ACTIVITIES (Assignments)	REFERENCES
	3. Buyer a. Same as under b. Housekeeping No. 1 c. d. e.	Lecture	Discussion	
	4. Distribution Clerk a. b. c. d. e. Same as above	Lecture	Discussion	
	5. Receiving Clerk a. b. c. d. e. Same as above	Lecture	Discussion	
	6. Inventory Clerk a. b. c. d. e. Same as above	Lecture	Discussion	
		The above workers can be interviewed and observed during field trip	Observe the above workers during field trip	